STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/705,398_
Source: _IFW Ib_
Date Processed by STIC: _06/16/2005_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: *10/705,398*

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
     Wrapped Aminos   was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will
                          prevent "wrapping."

2 ____ Invalid Line Length The rules require that a line **not exceed 72** characters in length. This includes white spaces.

3 ____ Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers;
     Numbering   use **space characters**, instead.

4 ____ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please
                          ensure your subsequent submission is saved in ASCII text.**

5 ____ Variable Length   Sequence(s) ____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules,
                          each n or Xaa can only represent a single residue.** Please present the **maximum** number of each
                          residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
     "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
                          previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
                          the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for
                          Artificial or Unknown sequences.**

7 ____ Skipped Sequences Sequence(s) ____ missing. If intentional, please insert the following lines for **each** skipped sequence:
     (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                          (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
                          (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                          This sequence is intentionally skipped

                          Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 ____ Skipped Sequences Sequence(s) ____ missing. If **intentional,** please insert the following lines for **each** skipped sequence.
     (NEW RULES)   <210> sequence id number
                          <400> sequence id number
                          000

9 ____ Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
     (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
                          In <220> to <223> section, please explain location of **n** or **Xaa,** and which residue **n** or **Xaa** represents.

10 ____ Invalid <213>   Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or
     Response   scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or
                          is Artificial Sequence

11 ____ Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
                          Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
                          "Unknown." Please explain source of genetic material in <220> to <223> section.
                          (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
     "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
                          listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa   "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

IFW16

RAW SEQUENCE LISTING   DATE: 06/16/2005
PATENT APPLICATION: US/10/705,398   TIME: 12:16:36

        Input Set : A:\10634-002002.txt
        Output Set: N:\CRF4\06162005\J705398.raw

   4 <110> APPLICANT: Liao, Shutsung
   5   Song, Ching
   8 <120> TITLE OF INVENTION: STEROID DERIVATIVES
  11 <130> FILE REFERENCE: 10634-002002
  13 <140> CURRENT APPLICATION NUMBER: US 10/705,398
C--> 14 <141> CURRENT FILING DATE: 2203-11-10
  16 <150> PRIOR APPLICATION NUMBER: US 09/560,236
  17 <151> PRIOR FILING DATE: 2000-04-28
  19 <150> PRIOR APPLICATION NUMBER: US 60/191,864
  20 <151> PRIOR FILING DATE: 2000-03-24
  22 <150> PRIOR APPLICATION NUMBER: US 60/131,728
  23 <151> PRIOR FILING DATE: 1999-04-30
  26 <160> NUMBER OF SEQ ID NOS: 12
  28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  30 <210> SEQ ID NO: 1
  31 <211> LENGTH: 16
  32 <212> TYPE: DNA
  33 <213> ORGANISM: Artificial Sequence
  35 <220> FEATURE:
  36 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
  38 <220> FEATURE:
  39 <221> NAME/KEY: misc_feature
  40 <222> LOCATION: 7-10
  41 <223> OTHER INFORMATION: n = a, g, t or c
  43 <400> SEQUENCE: 1
W--> 44 aggtcannnn aggtca   16
  47 <210> SEQ ID NO: 2
  48 <211> LENGTH: 57
  49 <212> TYPE: DNA
  50 <213> ORGANISM: Artificial Sequence
  52 <220> FEATURE:
  53 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
  55 <220> FEATURE:
  56 <221> NAME/KEY: misc_feature
  57 <222> LOCATION: 16-18, 22-27, 34-39
  58 <223> OTHER INFORMATION: n =a, g, t or c
  60 <400> SEQUENCE: 2
W--> 61 gtatcgccgg aattcnnntt gnnnnnnttg ttgnnnnnt aagtcgactc tagagcc   57
  63 <210> SEQ ID NO: 3
  64 <211> LENGTH: 57
  65 <212> TYPE: DNA
  66 <213> ORGANISM: Artificial Sequence
  68 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

(pg-3)

RAW SEQUENCE LISTING   DATE: 06/16/2005
PATENT APPLICATION: US/10/705,398   TIME: 12:16:36

Input Set : **A:\10634-002002.txt**
Output Set: **N:\CRF4\06162005\J705398.raw**

```
 69 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 71 <220> FEATURE:
 72 <221> NAME/KEY: misc_feature
 73 <222> LOCATION: 19-24, 31-36, 40-43
 74 <223> OTHER INFORMATION: n = a, g, t or c
 76 <400> SEQUENCE: 3
```
W-->   77   ggctctagag tcgacttann nnnncaacaa nnnnnncaan nngaattccg gcgatac   57
```
 79 <210> SEQ ID NO: 4
 80 <211> LENGTH: 57
 81 <212> TYPE: DNA
 82 <213> ORGANISM: Artificial Sequence
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 87 <400> SEQUENCE: 4
 88 gtatcgccgg aattcatctt gcacagattg ttgcaagaat aagtcgactc tagagcc    57
 90 <210> SEQ ID NO: 5
 91 <211> LENGTH: 57
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 98 <400> SEQUENCE: 5
 99 ggctctagag tcgacttatt cttgcaacaa tctgtgcaag atgaattccg gcgatac    57
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 60
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: 16-18, 22-27, 37-42
112 <223> OTHER INFORMATION: n = a, g, t or c
114 <400> SEQUENCE: 6
```
W--> 115 gtatcgccgg aattcnnntt gnnnnnntgg ttgttgnnnn nntaagtcga ctctagagcc 60
```
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 60
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: 19-24, 34-39, 43-45
129 <223> OTHER INFORMATION: n = a, g, t or c
131 <400> SEQUENCE: 7
```
W--> 132 ggctctagag tcgacttann nnnncaacaa ccannnnnnc aannngaatt ccggcgatac 60
```
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 5
```

```
RAW SEQUENCE LISTING                    DATE: 06/16/2005
PATENT APPLICATION:  US/10/705,398      TIME: 12:16:36

              Input Set : A:\10634-002002.txt
              Output Set: N:\CRF4\06162005\J705398.raw
```

```
    137 <212> TYPE: PRT
    138 <213> ORGANISM: Artificial Sequence
    140 <220> FEATURE:
    141 <223> OTHER INFORMATION: Motif
    143 <220> FEATURE:
    144 <221> NAME/KEY: VARIANT
    145 <222> LOCATION: 2, 3
    146 <223> OTHER INFORMATION: Xaa = any amino acid
    148 <400> SEQUENCE: 8
W--> 149 Leu Xaa Xaa Leu Leu
    150 1                5
    153 <210> SEQ ID NO: 9
    154 <211> LENGTH: 6
    155 <212> TYPE: PRT
    156 <213> ORGANISM: Artificial Sequence
    158 <220> FEATURE:
    159 <223> OTHER INFORMATION: Motif
    161 <220> FEATURE:
    162 <221> NAME/KEY: VARIANT
    163 <222> LOCATION: 2, 3
    164 <223> OTHER INFORMATION: Xaa = any amino acid
    166 <400> SEQUENCE: 9
W--> 167 Leu Xaa Xaa Trp Leu Leu
    168 1                5
    171 <210> SEQ ID NO: 10
    172 <211> LENGTH: 26
    173 <212> TYPE: DNA
    174 <213> ORGANISM: Artificial Sequence
    176 <220> FEATURE:
    177 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
    179 <400> SEQUENCE: 10
    180 ttcaggtcac aggaggtcag agagct                          26
    182 <210> SEQ ID NO: 11
    183 <211> LENGTH: 27
    184 <212> TYPE: DNA
    185 <213> ORGANISM: Artificial Sequence
    187 <220> FEATURE:
    188 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
    190 <400> SEQUENCE: 11
    191 tcgagtctgg tacagggtgt tcttttg        27
    193 <210> SEQ ID NO: 12
    194 <211> LENGTH: 16
    195 <212> TYPE: DNA
    196 <213> ORGANISM: Artificial Sequence
    198 <220> FEATURE:
    199 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
    201 <400> SEQUENCE: 12
    202 aggtcaagcc aggtca                                     16
```

Invalid Response See Item # 11 in Summary Sheet

Same Error

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/16/2005
PATENT APPLICATION: US/10/705,398   TIME: 12:16:37

Input Set : A:\10634-002002.txt
Output Set: N:\CRF4\06162005\J705398.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7,8,9,10
Seq#:2; N Pos. 16,17,18,22,23,24,25,26,27,34,35,36,37,38,39
Seq#:3; N Pos. 19,20,21,22,23,24,31,32,33,34,35,36,40,41,42
Seq#:6; N Pos. 16,17,18,22,23,24,25,26,27,37,38,39,40,41,42
Seq#:7; N Pos. 19,20,21,22,23,24,34,35,36,37,38,39,43,44,45
Seq#:8; Xaa Pos. 2,3
Seq#:9; Xaa Pos. 2,3

VERIFICATION SUMMARY   DATE: 06/16/2005
PATENT APPLICATION: **US/10/705,398**   TIME: 12:16:37

Input Set : **A:\10634-002002.txt**
Output Set: **N:\CRF4\06162005\J705398.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0